

Süther & Schön GmbH  
Bonifaciusring 18  
45309 Essen

Chair of Machine Parts and  
Materials Handling

Building iB 1/127  
Universitätsstraße 150, 44801 Bochum

**PROF. DR.-ING. JAN SCHOLTEN**

Fon +49 (0)234/32-28723  
Fax +49 (0)234/32-14161  
sekretariat@lmf.rub.de

Type testing comparable to EN 13411 - 6 on belt sockets			
Part 2 (2) 6.2.4 dynamic test			
Company:		Süther & Schön GmbH	
belt			
size	name		minimum breaking force
25,0 mm	XHP II		37,0 kN
belt socket:		NG 25	
	socket body	wedge	pin
item no	RG1 0025 00 000 SSN	K00 0025 00 000 SSN	B01 0025 00 000 SSN
material	G20Mn5N	AlSi9Cu3	quality 8.8
dynamic fatigue test			
no	lower load $F_u = 0,15 * F_{min}$ [kN]	upper load $F_o = 0,3 * F_{min}$ [kN]	load cycles
38 /12	5,55	11,10	75.000
result	The 2 type test samples bear the dynamic fatigue test (6.2.4) without visible cracks on body, wedge and bolt. Crack test, done by Süther & Schön GmbH, shows, that there are no cracks (enclosure).		



Dipl. Ing. A. vom Hofe

11 April 2013

(valid with signature)

ADDRESS Universitätsstraße 150 | 44801 Bochum, Germany

APPROACHE Underground: U35 | Car: A43, departure (19) Bochum Witten